Total Genome

RE Digest / Separate by length STEP 1

STEP 2

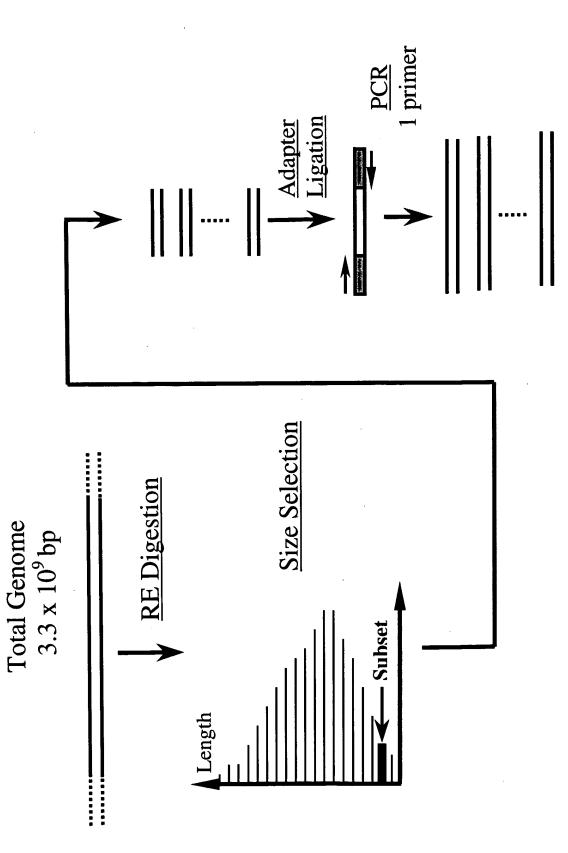
STEP 3

purification

STEP"4.

______ Isolated fragments STEPS

nganima nyama



Effects of Complexity

(A, C, G, T)-HGE250-350; ~16Mb

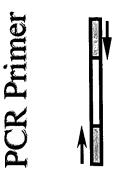


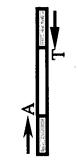
(A, T)-HGE250-350; ~4Mb

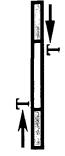


(T)-HGE250-350; ~1Mb









	cleavage Frequency of first enzyme	sites in λ	size of captured sequence (bp)
Alwi Hgal	1/512	58	5
Bbsl Bbvl	1/2048	24	6
Bsal Hgal	1/2048	2	5
BseRl Bbvl	1/2048	19	8
BsmAl Hgal	1/512	37	5
BspMI BbvI	1/2048	41	8
Esp3l Hgal	1/2048	14	5
Earl Hgal	1/2048	34	4
Hgal BsmFl	1/512	102	10
Hphi Bbvi	1/512	168	7
Mboll Bbvl	1/512	130	, 7
Mnll Hgal	1/128	262	6
Plel Hgal	1/512	61	5
Sapi Hgal	1/8192	10	4
StaNI Fokl	1/512	169	9

Fig. 1

cct ______ AAG not amplified

total genomic DNA

* nncgHgg-

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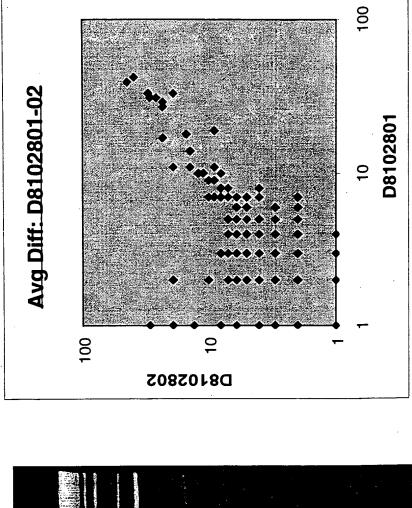
Complexity of AP Amplified Human Genomic DNA

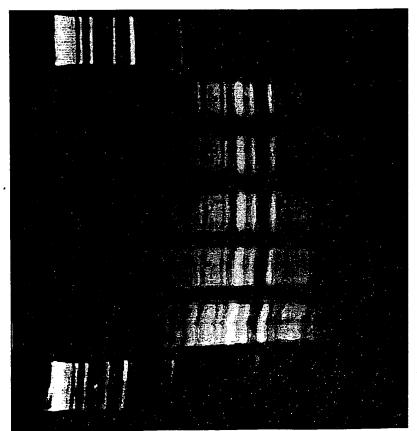
Primer	Sequence	Annealing T	Polymerase	# Present	_
Total Genome				434	6.1
sdp5	nncgttgg	30	ThermoSequenase	393	5.6
sdp3	agagctgc	30	TaqGold	264	3.7
DOP	ccgactcgagnnnnnatgtgg	30	TaqGold	247	3.5
8dps	nnnnnngccgttgg	45	TaqGold	218*	3.1*
sdp8-10	nnnnatgccgttgg	45	TapGold	206	2.9
8dps	nnnnnngccgttgg	55	TaqGold	114	1.6

^{*} Results of 20 μ g/200 μ l hybridization.

Reproducibility of AP PCR

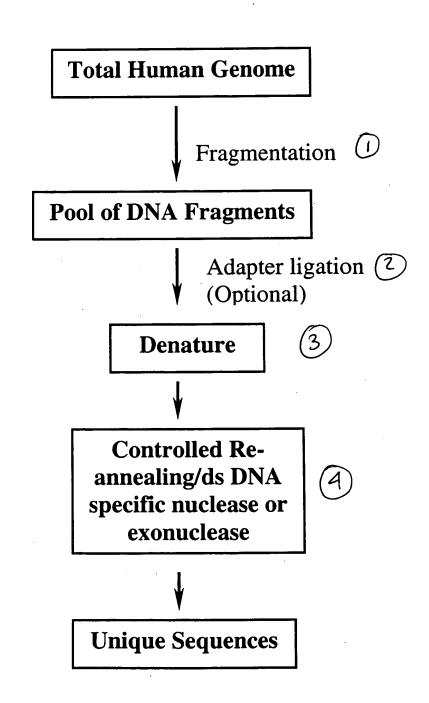
Independent preps of sdp8/H.G. DNA(B.M.)/45°C



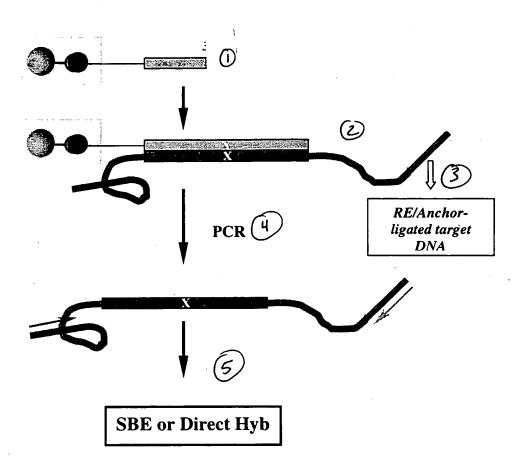




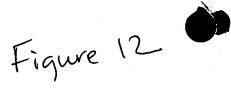
A Novel Way of Removing repetitive sequences from Genomic DNA



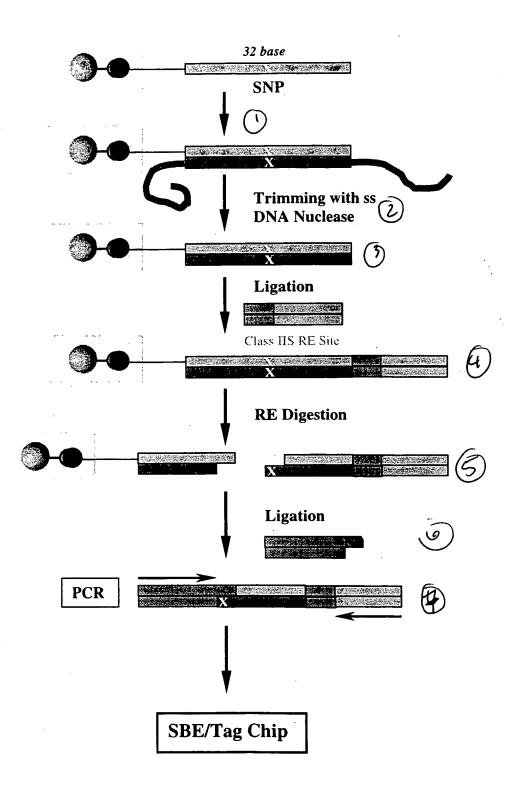
Scheme IV



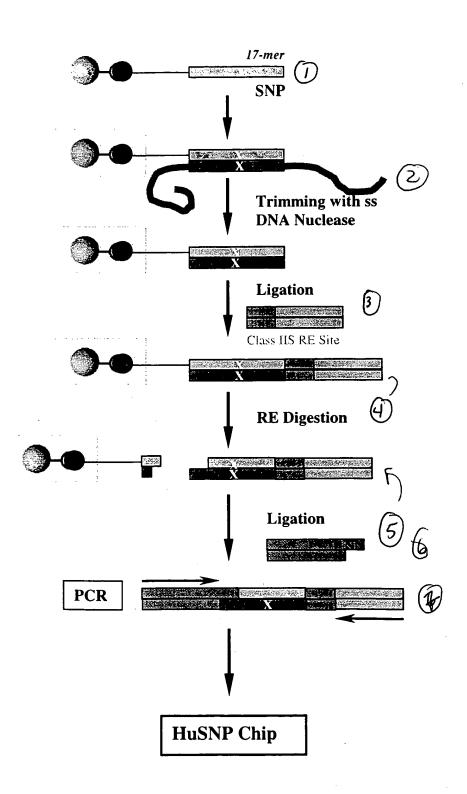
٠, C



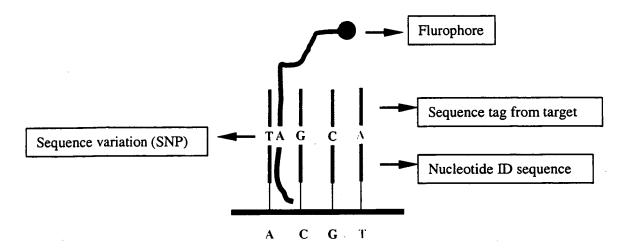
Scheme I



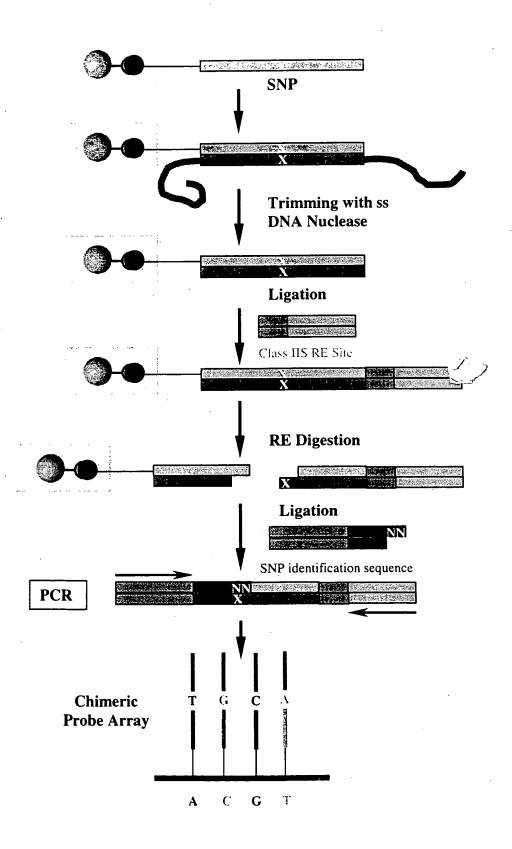
<u>Scheme III</u>



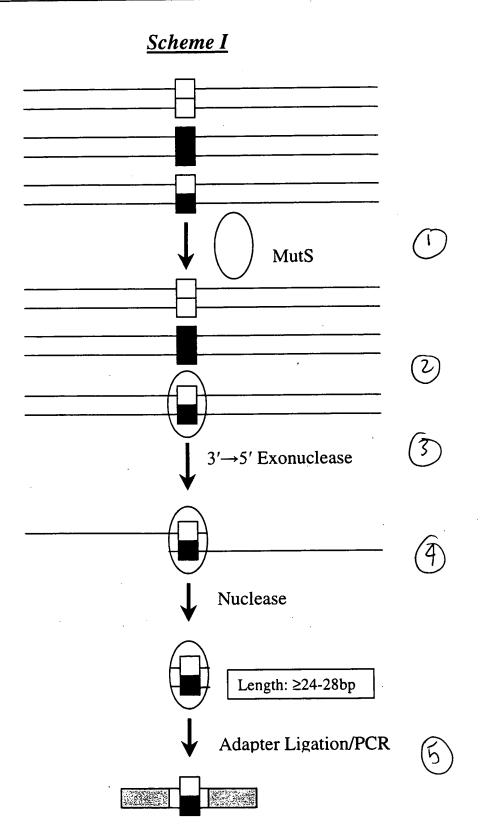
Chimeric Probe Array



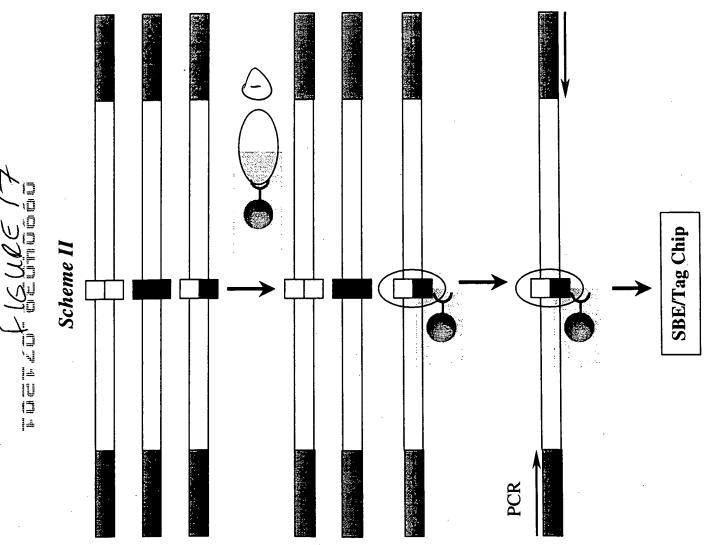
Scheme II



Enrichment of SNPs with MutS Protein







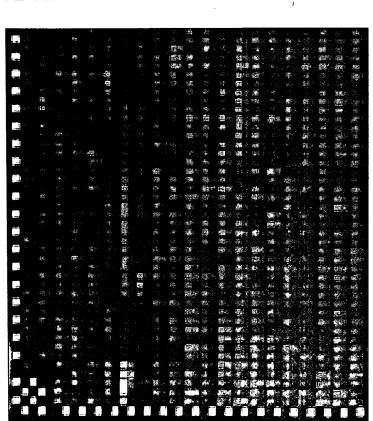
Total	Genome
1 0 7 0 5 1	

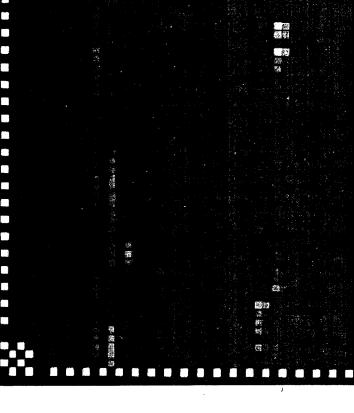
Raire cutter	
Frequent cutter	
Category I category II category III category	quend

FOR EDECTIONS

Total Yeast Genome/Y6321D 10µg/200µl

YGE250-350/Y6321D 5.24µg/200µl





a)

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